

Case 388 : Narrative

Case Vehicle (A): 1998 Ford	Vehicle (B): 1992 Chrysler
Type: F-150, 4 x 2, 2-door pickup	Type: LeBaron, 2-door coupe
Driver: 73-year-old male	Driver: 56-year-old male
CDC: 12-FYEW-4	CDC: 99-0000-0

SITUATION

[1](#) It was daylight and cloudy and the two-lane east-west asphalt roadway was dry and free of defects. [2](#) Case vehicle (A) was traveling west at a driver-estimated speed of 55 mph (89 kph) in the westbound lane and vehicle (B) was traveling east at an unknown speed in the eastbound lane. The occupants of vehicle (B) were eluding the police and the vehicle veered to the left and crossed the centerline as it approached case vehicle (A). [3](#) The driver of case vehicle (A) steered to the right and braked, as evidenced by the skid marks, but the left front of case vehicle (A) struck the front of vehicle (B) in an offset mode. Both vehicles were towed due to damage.

The police report indicates C-level injuries for the driver and B-level injuries for the right-front passenger of case vehicle (A), who were taken by ambulance to a level-one trauma center. The driver was treated for nineteen hours and released and the right-front passenger was hospitalized for four days for a medical problem unrelated to the crash. The police report indicates B-level injuries for the driver, the right-front passenger, and the left-rear passenger of vehicle (B), who were transported by ambulance to a local hospital where they were treated and released.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[4](#) [5](#) Damage to case vehicle (A) was severe. [6](#) Direct damage began at the left-front bumper corner and extended 79-cm to the right, resulting in 44-percent vehicle overlap (VOL). [7](#) The maximum crush was 84 cm and occurred at the left-front bumper corner.

Vehicle (B) was impounded by the police for processing and was unavailable for inspection.

Using the missing-vehicle algorithm of the WinSMASH crash-reconstruction program and [8](#) [9](#) [10](#) a crush profile measured for case vehicle (A) at the level of the bumper, the following impact severities were estimated for the impact between the two vehicles:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	46 (29)	-46 (-28)	8 (5)
Vehicle (B)	delta V	58 (36)	-57 (-36)	-10 (-6)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

In the front, [11](#) [12](#) the bumper, the grille, the left-front portion of the hood and the engine compartment were crushed to the rear. [13](#) Rescue personnel cut the hood latch striker bar and [14](#) the hood latch was still latched to the striker bar. [15](#) [16](#) The hood hinges were undamaged, and [17](#) and the rear edge of the hood was slightly elevated and [18](#) it contacted and penetrated the plastic cowl, but it did not contact the windshield. [19](#) The windshield was cracked due to body distortion.

On the left side, [20](#) the fender and the driver door were buckled out and [21](#) [22](#) [23](#) the fender, the left-front wheel, and the upper and lower sections of the left A-pillar were crushed to the rear. The rim of the left-front wheel was dented, the tire was flat, rotation of the wheel was restricted by contact with the wheel well, and the left wheelbase was [26](#) reduced by 54 cm. The driver door was jammed closed [24](#), the door glazing was broken out, [25](#) the left quarter panel and upper and lower sections of the left B-pillar were buckled out, [26](#) and the left roof and roof siderail were buckled out and deflected up.

[27](#) There was no damage to the rear of the vehicle, [28](#) [29](#) but the slide-in cargo-area cover moved forward into contact with the rear of the cab, resulting in a dent to the backlight header.

[30](#) On the right side, the front portion of the fender was deflected to the left and the right door would not close. [31](#) The roof at the junction of the upper section of the right B-pillar and the rear portion of the roof siderail were buckled, and [32](#) the lower portion of the upper section of the B-pillar was dented from contact by the cargo-area cover. [33](#) The right-side glazing was intact and there was no other right-side damage, but the right wheelbase was increased by 4 cm.

Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and [34](#) [35](#) [36](#) [37](#) both deployed during the frontal impact. [38](#) [39](#) [40](#) [41](#) [42](#) In the driver area, there was no damage to the steering-wheel airbag or airbag module covers, but the lower-right corner of the steering-wheel airbag was stained with an unknown substance. [43](#) [44](#) There was no damage to the steering-wheel rim or spokes [45](#) [46](#) but the steering column was displaced up, to the left, and to the rear. [47](#) The interior panel, armrest, and hardware of the driver door were deflected out, the forward portion of the door was displaced to the right, and the door window glass was broken out. [48](#) The left roof siderail was displaced up, the roof and roof headliner were buckled down, and the upper and lower sections of the left A-pillar were displaced to the rear. [49](#) [50](#) The upper and mid sections of the instrument panel were buckled up, the fuse-panel cover to the left of the steering column was broken, and the driver knee-bolster cover was loose, deformed, and scuffed. [51](#) The gas and brake pedals were deflected to the right, the footwell panel was buckled to the right, and the toepan was buckled to the rear. [52](#) [53](#) The driver seat cushion was displaced forward and to the left and the fore/aft seat adjuster was jammed in a rear-track position. [54](#) There was no other damage in the driver seating area.

[55](#) [56](#) In the center-front area, the rearview mirror was knocked off its mount, [57](#) the upper instrument access panel was loose, and the right upper vent outlet was displaced forward. Also, the heater/ac duct cover was twisted, [58](#) there was a cloth transfer on the ashtray of the center instrument panel, and the center instrument panel was displaced to the rear. [59](#) The center armrest/console between the seats was displaced forward, but there was no other damage in the center-front area.

[60](#) [61](#) In the right-front seating area, the dash-mounted airbag was deployed but there was no damage to the airbag or to the airbag module cover. [62](#) The glove-box door was scuffed and the toepan and instrument panel were displaced to the rear. [63](#) The driver seat was displaced to the right. [64](#) There was

no other damage in the right-front seating area.

The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
Driver	toe pan - left 65	60	to rear
	toe pan - right 65	19	to rear
	door 66	24	to right
	brake pedal 67	23	to rear
	instrument panel - right 68	21	to rear
	instrument panel - left 69	20	to rear
	kick panel 66	18	to right
	upper A-pillar	10	to rear
	roof 70	8	down
	steering column 68	7	to rear
Center front	instrument panel 71	19	to rear
Right front	toe pan - left 72	13	to rear
	instrument panel - left	7	to rear

OCCUPANT KINEMATICS AND INJURIES

[52](#) The 180-cm, 73-kg (5-ft 11-in, 160-lb) 73-year-old male driver was using the available three-point belt and [73](#) the steering-wheel airbag deployed. [74](#) There were no obvious loading marks on the D-ring, [75](#) but there was melted plastic on the belt webbing, [76](#) webbing loading marks on the sliding latch plate, and [77](#) a bend/fold in the belt webbing from the sliding latch plate, indicating belt use.

During the frontal impact, the driver moved forward and to the left relative to the vehicle interior, into the belt restraints and airbag. He sustained abrasions to the lateral aspects of the left arm and forearm, probably due to contact with the driver door interior, as evidenced by [78](#) the broken plastic on the door interior. He sustained a fracture of the scaphoid bone of the left wrist and a contusion to the left wrist, possibly due to bracing on the steering-wheel rim. He sustained abrasions to the right thigh, probably from contact with the lap belt. He sustained abrasions to the right knee and right leg, probably due to contact with the knee bolster. He sustained displaced fractures to the right medial and lateral malleoli, probably due to foot contact with the brake pedal during braking, as evidenced by [51](#) the displaced brake pedal. He sustained a sprain to the left ankle, probably due to bracing against the toe pan.

[79](#) [80](#) The 157-cm, 68-kg (5-ft 2-in, 150-lb) 73-year-old female right-front passenger was using the available three-point belt and [81](#) the dash-mounted airbag deployed. [82](#) There were no witness marks on the D-ring, but melted plastic on the belt webbing and [83](#) webbing imprints on the plastic sliding latch plate indicate belt use.

During the frontal impact, the right-front passenger moved forward and to the left relative to the vehicle interior, into the three-point belt and airbag. She sustained cervical strain, probably due to non-contact impact forces. She sustained contusions to the center of the chest and across the abdomen, and an abrasion to the lower-left region of the chest, probably from loading by the three-point belt. She

sustained fractures to the toes of both feet due to contact with the toepan.

The following tables and attached drawings [84](#) [85](#) summarize the injuries for the two occupants of case vehicle (A).

Occupant: Driver	Age: 73 years	Gender: Male		
Restraints: 3-point belt; steering-wheel airbag	Stature: 180 cm (5 ft, 11 in)	Mass: 73 kg (160 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Abrasions, lateral aspects of left arm and left forearm	1	—	Door interior	—
Fracture, scaphoid bone of left wrist	2	—	—	Steering-wheel rim (bracing)
Contusion, left wrist	1	—	—	Steering-wheel rim (bracing)
Abrasions, right thigh	1	—	Lap belt	—
Abrasions, right knee and right leg	1	—	Knee bolster	—
Displaced fractures, right medial and lateral malleoli	2	—	Brake pedal (braking)	—
Sprain, left ankle	1	—	Toepan (bracing)	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

Occupant: Right front	Age: 73 years	Gender: Female		
Restraints: 3-point belt; dash-mounted airbag	Stature: 157 cm (5 ft, 2 in)	Mass: 68 kg (150 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Cervical strain	1	—	Impact forces	—

			(non- contact)	
Contusions, center of chest and across abdomen	1	—	3-point belt	—
Abrasion, lower-left region of chest	1	—	3-point belt	—
Fractures, toes of both feet	1	Toeapan (bracing)	—	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	3	—	—	—

CASE NO.: 388-03

CASE VEHICLE: 1998 Ford

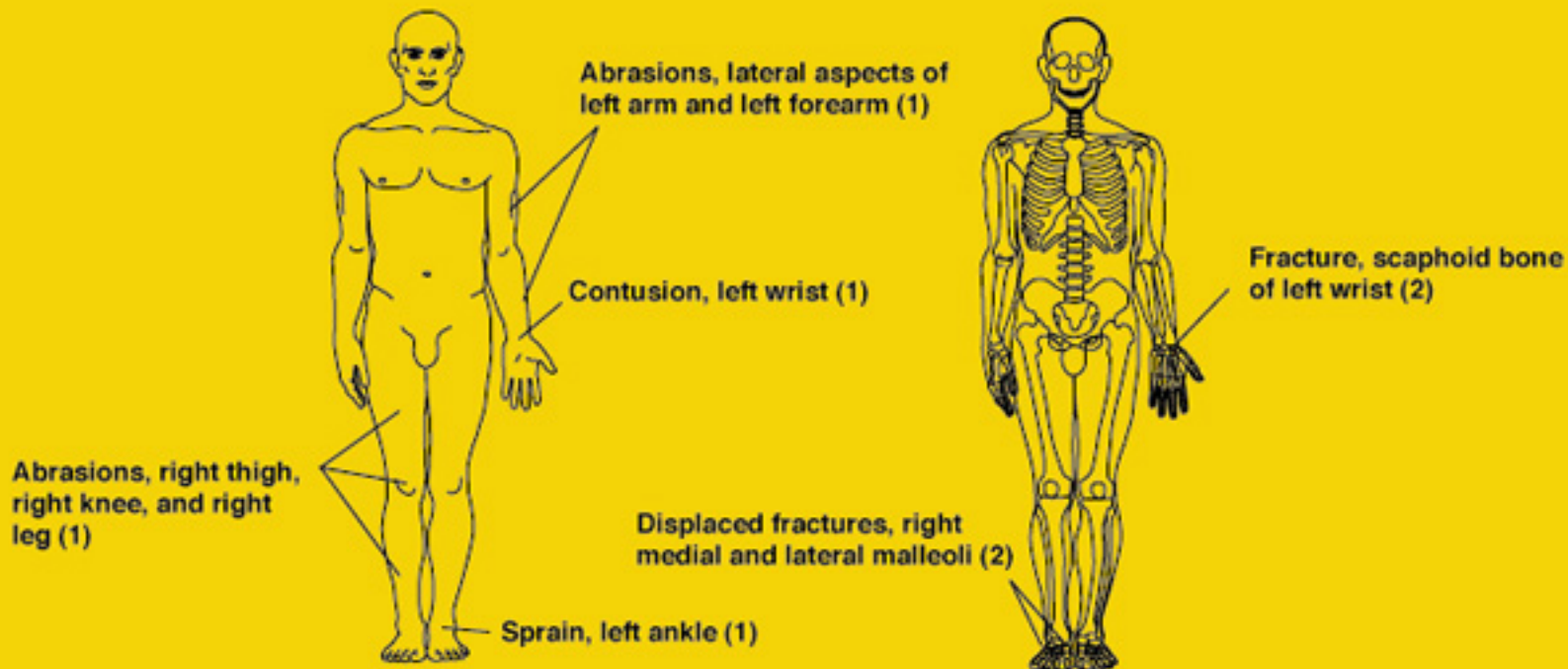
TYPE: F-150 XLT, 4 x 2, 2-door pickup

OCCUPANT: Driver: 73-year-old male

STATURE: 180 cm (5 ft, 11 in) MASS: 73 kg (160 lb)

RESTRAINTS: 3-point belt; steering-wheel airbag

SEVERITY: MAIS - 2 : ISS - 5



CASE NO.: 388-03

CASE VEHICLE: 1998 Ford

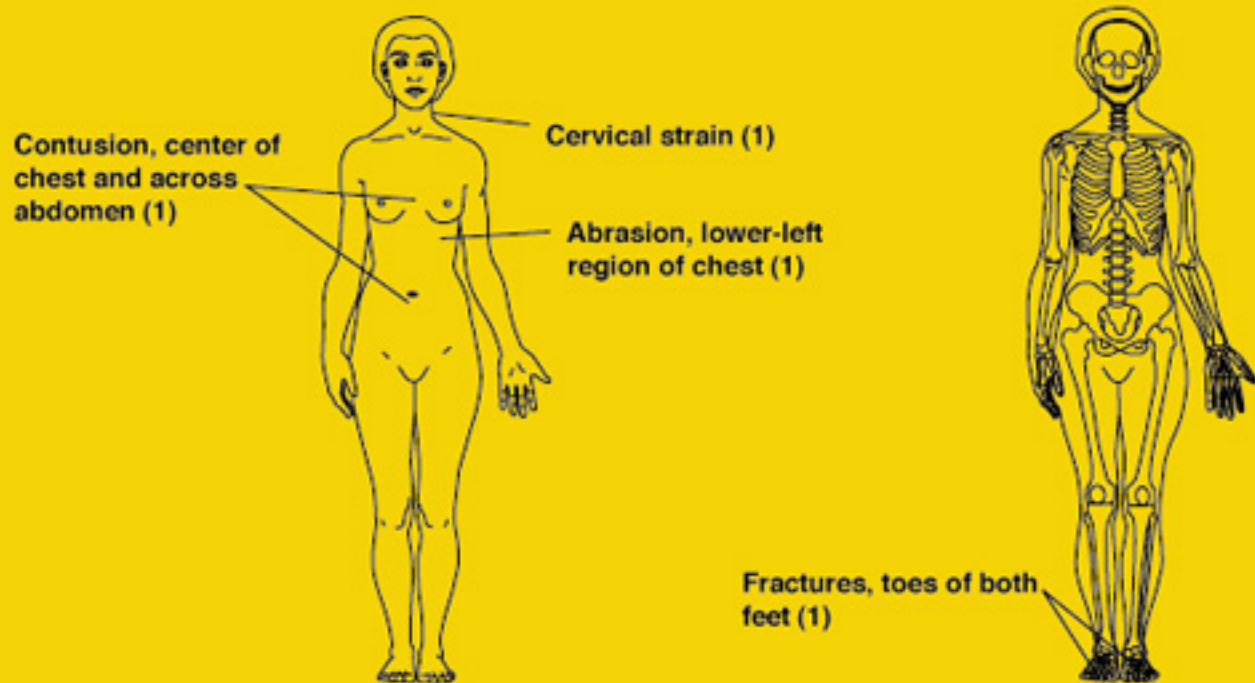
TYPE: F-150 XLT, 4 x 2, 2-door pickup

OCCUPANT: Right front: 73-year-old female

STATURE: 157 cm (5 ft, 2 in) MASS: 68 kg (150 lb)

RESTRAINTS: 3-point belt; dash-mounted airbag

SEVERITY: MAIS - 1 : ISS - 3



Case No.: 388-03

Case Veh. (A): 1998 Ford

Type: F-150 XLT, 4 x 2, 2-door pickup

Driver: 73-year-old male

Veh. (B): 1992 Chrysler LeBaron, 2-door coupe

Light Conditions: Daylight

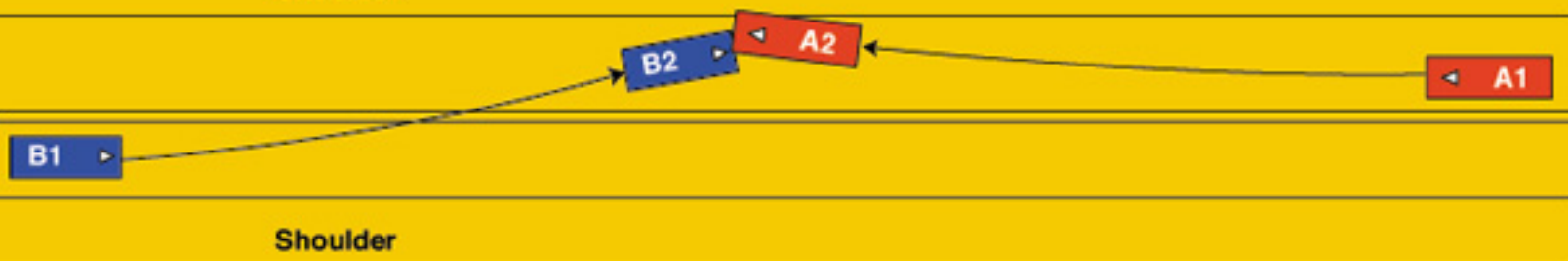
Weather: Cloudy

Road Surface: Dry

Road Construction: Asphalt



Shoulder



Speed limit 55 mph (89 kph)

Vehicle Report

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General Conditions

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Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	2	Rural	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	2	2 lanes	more
V209 — Intersecting Road Total Lanes	8	Not applicable	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	more
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	1	Level	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	10	Dry	more
V216 — Visibility Limitation	0	None	more
V217 — Visibility Obstruction	0	None	more
V218 — Speed Limit	6	86-90 km/h .. 55 mph	more
V219 — Precipitation Type	0	None	more
V220 — Precipitation Rate	8	Not applicable	more
V221 — Temperature	9	Unknown	more

V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more
V227 — Case Vehicle Ran Off Roadway	0	No	more
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	2	B - Non-Incapacitating Injury	more
V234 — Driver Alcohol Involvement	0	Had not been drinking	more
V235 — Driver Alcohol BAC	80	Not tested	more
V236 — Driver Impairment Mention	0	No	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

Other Vehicle

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Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1C3XU4136NF1	—	—
V302 — Other Vehicle Manufacturer/Body Code	13127	—	—
V303 — Other Vehicle Manufacturer	131	Chrysler	more
V304 — Other Vehicle Body Code	27	Compact 100-104.9 in. wb.	more
V305 — Other Vehicle Make/Model	1235	LeBaron, Imperial LeBaron	more
V306 — Other Vehicle Model Year	1992	—	—
V307 — Other Vehicle Mass	001306 kg	—	—
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	03	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	more

V311 — Highest Police Injury Severity	2	B - Non-Incapacitating Injury	more
V312 — Other Vehicle Type	27	Compact 100-104.9 in. wb.	more
V313 — Other Vehicle Wheelbase (cm)	263 cm	—	—
V314 — Average Track Width	146 cm	—	—
V315 — Overall Length	464 cm	—	—
V316 — Overall Width (OAW)	173 cm	—	—
V317 — Front Overhang (FOH)	098 cm	—	—
V318 — Rear Overhang (ROH)	104 cm	—	—
V319 — Undeformed End Width (UEW)	148 cm	—	—
V320 — Engine Displacement	3.0 l	—	—
V321 — Engine: Number of Cylinders	06	—	—
V322 — Direct Damage Length (DDL)	999	Unknown	more
V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	more
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	more

Case Vehicle General



[Click for case vehicle figure](#)

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Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	1FTZF1761WNB	—	—
V402 — Manufacturer/Body Code	12116	—	—
V403 — Vehicle Manufacturer	121	Ford	more
V404 — Vehicle Body Code	16	—	—
V405 — Make/Model Code	3108	Flareside, Styleside F150	more
V406 — Model Year	1998	—	—
V407 — Vehicle Mass	001812 kg	—	—
V408 — Odometer Reading	028736 miles	—	—
V409 — Number of Occupants	02	—	—
V410 — Traveling Speed	089 kph	—	—
V411 — Body Type	33	Pickup truck (large)	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	1	Body and frame	more
V414 — Transmission Type	1	Automatic	more
	3		

V415 — Transmission Lever Location		Column	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	2	Disc - front wheels	more
V419 — Brake Anti-lock Device	1	Two-wheel	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	1	Rear wheel	more
V422 — Dual Rear Wheels	0	No	more
V423 — Original Restraint System Type	3	Airbag	more
V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	1	Solid	more
V426 — Wheelbase	352 cm	—	—
V427 — Anti-lacerative Glass	0	None	more
V428 — Average Track Width	999	Unknown	more
V429 — Overall Length	561 cm	—	—
V430 — Overall Width (OAW)	199 cm	—	—
V431 — Front Overhang	094 cm	—	—
V432 — Rear Overhang	115 cm	—	—
V433 — Undeformed End Width (UEW)	180 cm	—	—
V434 — Engine Displacement	4.6 l	—	—
V435 — Engine: Number of Cylinders	08	—	—
V436 — Direct Damage Length (DDL)	079 cm	—	—
V437 — Front End Overlap % (FEO)	44	—	—
V438 — Vehicle Overlap % (VOL)	44	—	—

Case Vehicle Damage Description

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Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	084 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	more
V504 — Maximum Crush - Left Side	000 cm	No crush (or less than 1 cm.)	more

V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	11	FRONT of case veh - FRONT of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	27	Compact 100-104.9 in. wb.	more
V511 — Event 2 Impact Location	8	No 2nd event	more
V512 — Event 2 Impact Configuration	88	No 2nd event	more
V513 — Event 2 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more
V521 — Event 5 Impact Configuration	88	No 5th event	more
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	more
V524 — Event 6 Impact Configuration	88	No 6th event	more
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	more
V530 — Primary CDC Case Vehicle	999		

- impact speed		Unknown	more
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	more
V532 — Primary CDC Case Vehicle -crush	084	—	—
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	25	Y - Side or end (F + P or L + C)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V538 — Primary CDC Case Vehicle Extent #1	04	Extent 4	more
V539 — Primary CDC Case Vehicle -CDC #1	12FYEW4	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	999	Unknown	more
V550 — Primary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V551 — Primary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V552 — Primary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more

V553 — Primary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V554 — Primary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V555 — Primary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V556 — Primary CDC Contacted Vehicle -CDC #1	9900000	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V563 — Primary CDC Contacted Vehicle -CDC #2	9900000	—	—
V564 — Secondary CDC Case Vehicle - Event No	8	Not applicable	more
V565 — Secondary CDC Case Vehicle - Impact Speed	998	Not Applicable	more
V566 — Secondary CDC Case Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V567 — Secondary CDC Case Vehicle -crush	998	Not Applicable	more
V568 — Secondary CDC Case Vehicle -clock #1	98	Not Applicable	more
V569 — Secondary CDC Case Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V570 — Secondary CDC Case Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V571 — Secondary CDC Case Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V572 — Secondary CDC Case Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V573 — Secondary CDC Case Vehicle Extent #1	00	Missing Data/Not applicable	more
V574 — Secondary CDC Case Vehicle -CDC #1	9800000	—	—
V576 — Secondary CDC Case	00	Missing Data/Not applicable	more

Vehicle letter 1 #2			
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	998	Not Applicable	more
V583 — Secondary CDC Contacted Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V584 — Secondary CDC Contacted Vehicle -crush	998	Not Applicable	more
V585 — Secondary CDC Contacted Vehicle -clock #1	98	Not Applicable	more
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9800000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted Vehicle -CDC #2	9800000	—	—

Crash Severity

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Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	046 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-046 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	0008 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0152 kJ	—	—
V606 — Primary Impact Case Vehicle - reconstruction	02	Insufficient data	more
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V608 — Primary Contacted Vehicle Reconstructed	058 kph	—	—

Total Delta-V			
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-057 kph	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta- V	-010 kph	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0232 kJ	—	—
V612 — Case Vehicle Secondary Impact Number	8	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	888	N/A	more
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta- V	8888	—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	8888	—	—

V617 — Secondary Case Vehicle Reconstruction Note	88	—	—
V618 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	888	N/A	more
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta- V	8888	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	8888	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	045 kph	—	—
V625 — Primary Case	-044 kph		

Vehicle Reconstructed Longitudinal EBS		—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	0008 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0152 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	999	Unknown	more
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	9999	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	9999	—	—
V633 — Primary Contacted Vehicle Reconstruction	9999	—	—

Crush Energy			
V634 — Case Vehicle Secondary Impact Number	8	Not applicable	more
V635 — Secondary Case Vehicle Reconstruction Total EBS	888	N/A	more
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	8888	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	8888	—	—
V638 — Secondary Case Vehicle Reconstruction Crush Energy	8888	—	—
V639 — Secondary Case Vehicle Reconstruction Note	88	—	—
V640 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V642 — Secondary Contacted Vehicle	8888	—	—

Reconstruction Longitudinal EBS			
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	079 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	084 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	131 cm	—	—
V650 — Case Vehicle Impact 1 C1	084 cm	—	—
V651 — Case Vehicle Impact 1 C2	060 cm	—	—
V652 — Case Vehicle Impact 1 C3	036 cm	—	—
V653 — Case	015 cm		

Vehicle Impact 1 C4		—	—
V654 — Case Vehicle Impact 1 C5	000 cm	No Crush	more
V655 — Case Vehicle Impact 1 C6	000 cm	No Crush	more
V656 — Case Vehicle Impact 1 +/- D	0000 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	1	—	—
V658 — Case Vehicle Impact 2 Plane	9	Unknown	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	999	Unknown	more
V660 — Case Vehicle Impact 2 Max Crush	999	Unknown	more
V661 — Case Vehicle Impact 2 Field-L	999	Unknown	more
V662 — Case Vehicle Impact 2 C1	999	Unknown	more
V663 — Case Vehicle Impact 2 C2	999	Unknown	more
V664 — Case Vehicle Impact 2 C3	999	Unknown	more
V665 — Case Vehicle Impact 2 C4	999	Unknown	more
V666 — Case	999		

Vehicle Impact 2 C5		Unknown	more
V667 — Case Vehicle Impact 2 C6	999	Unknown	more
V668 — Case Vehicle Impact 2 +/- D	0999 cm	—	—
V669 — Other Vehicle Reconstructed Impact Number	2	—	—
V670 — Other Vehicle Impact 1 Plane	8	Not applicable	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	998	Not applicable	more
V672 — Other Vehicle Impact 1 Max Crush	998	Not applicable	more
V673 — Other Vehicle Impact 1 Field-L	998	Not applicable	more
V674 — Other Vehicle Impact 1 C1	998	Not applicable	more
V675 — Other Vehicle Impact 1 C2	998	Not applicable	more
V676 — Other Vehicle Impact 1 C3	998	Not applicable	more
V677 — Other Vehicle Impact 1 C4	998	Not applicable	more
V678 — Other Vehicle Impact 1 C5	998	Not applicable	more
V679 — Other	998		

Vehicle Impact 1 C6		Not applicable	more
V680 — Other Vehicle Impact 1 +/- D	9998	—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	8	Not applicable	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V684 — Other Vehicle Impact 2 Max Crush	998	Not applicable	more
V685 — Other Vehicle Impact 2 Field-L	998	Not applicable	more
V686 — Other Vehicle Impact 2 C1	998	Not applicable	more
V687 — Other Vehicle Impact 2 C2	998	Not applicable	more
V688 — Other Vehicle Impact 2 C3	998	Not applicable	more
V689 — Other Vehicle Impact 2 C4	998	Not applicable	more
V690 — Other Vehicle Impact 2 C5	998	Not applicable	more
V691 — Other Vehicle Impact 2 C6	998	Not applicable	more
V692 — Other	9998		

Vehicle Impact 2 +/- D		—	—
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Case Vehicle Tires & Rims

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Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	1	Yes	more
V702 — Right Front Wheel Damaged	0	No	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	0	No	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	P23570R16	—	—
V718 — Right Front Tire Size	P23570R16	—	—
V719 — Right Rear Tire Size	P23570R16	—	—
V720 — Left Rear Tire Size	P23570R16	—	—

Case Vehicle Fuel, Tank, Fire

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Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	more



V803 — Main Filler Cap Location	313	Left of frame laterally - above vertically	more
V804 — Main Tank Material	1	Steel	more
V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

Case Vehicle Exterior

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Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	0	No	more
V1102 — Hood Latch Damaged	1	Yes	more
V1103 — Hood Latch Jammed	1	Yes	more
V1104 — Left Hood Hinge Damaged	0	No	more
V1105 — Left Hood Hinge Separated	8	Not applicable	more
V1106 — Right Hood Hinge Damaged	0	No	more
V1107 — Right Hood Hinge Separated	8	Not applicable	more
V1108 — Hood Remained On Vehicle	1	Yes	more
V1109 — Rear Hood Edge Elevated	1	Yes	more
V1110 — Edge Contacted Windshield	0	No	more
V1111 — Edge Penetrated Windshield	8	Not applicable	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Steerng Column Coupling Damaged	9	Unknown	more
V1116 — Steerng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount Separation	0	No	more

V1120 — Upper Left A-pillar Separation	4	No separation, but damaged	more
V1121 — Lower Left A-pillar Separation	4	No separation, but damaged	more
V1122 — Upper Left B-pillar Separation	4	No separation, but damaged	more
V1123 — Lower Left B-pillar Separation	4	No separation, but damaged	more
V1124 — Upper Left C-pillar Separation	8	Not applicable (not equipped)	more
V1125 — Lower Left C-pillar Separation	8	Not applicable (not equipped)	more
V1126 — Upper Left D-pillar Separation	8	Not applicable (not equipped)	more
V1127 — Lower Left D-pillar Separation	8	Not applicable (not equipped)	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	8	Not applicable (no left rear door)	more
V1130 — Left Front Door Jammed Closed	1	Yes	more
V1131 — Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	more
V1132 — Rear Door Type	0	No door (includes pickups)	more
V1133 — Rear Door Opening Cause	8	Not applicable (no rear door)	more
V1134 — Rear Door Jammed Closed	8	Not applicable (no rear door)	more
V1135 — Luggage Partition Damagd	8	Not applicable	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	0	No	more
V1140 — Upper Right A-pillar Separation	0	No	more
V1141 — Lower Right A-pillar Separation	0	No	more
V1142 — Upper Right B-pillar Separation	4	No separation, but damaged	more
V1143 — Lower Right B-pillar Separation	0	No	more
V1144 — Upper Right C-pillar	8	Not applicable (not equipped)	more

Separation			
V1145 — Lower Right C-pillar Separation	8	Not applicable (not equipped)	more
V1146 — Upper Right D-pillar Separation	8	Not applicable (not equipped)	more
V1147 — Lower Right D-pillar Separation	8	Not applicable (not equipped)	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	98	Not applicable (no right rear door)	more
V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	8	Not applicable (no right rear door)	more
V1152 — Van Rear Door Type	8	Not applicable (not a van)	more
V1153 — Windshield Cracked	 Click for windshield damage figure	Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	0	No	more
V1156 — Bond Separation Extent	0	None	more
V1157 — Windshield Code	 Click for windshield code figure	—	—
V1158 — Did Sun/T Roof Open	8	Not Applicable	more

Case Vehicle Steering Column/Rim

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Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	0	None	more
V1202 — Number of Steering Wheel Spokes	2	2 spokes	more

V1203 — Steering Wheel Spoke Damage	0	None	more
V1204 — Column Tilt Feature	2	Up	more
V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	1	Upward apparent rotation	more
V1213 — Column Lateral Rotation	1	Left apparent rotation	more
V1214 — Steering Wheel Hub Damage	0	None	more

Case Vehicle Intrusion



Click for intrusion figures

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Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	1	Yes	more
V1302 — Was Intrusion Catastrophic	0	No	more
V1303 — Intrusion Number 01	01	Intrusion #1	more
V1304 — Intrusion 01 Occupant Space Number	11	First row, Left seat	more
V1305 — Intrusion 01 Intruding Object	03	Toe pan	more
V1306 — Intrusion 01 Assoc Event Number	1	Event #1	more
V1307 — Intrusion 01 Max Intrusion X-axis	60 cm	—	—
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more

V1310 — Intrusion 01 Occupant Number	01	Occupant number 1, contact	more
V1311 — Intrusion 01 Injury Number	10	Injury #10	more
V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1313 — Intrusion 01 Injury Number	00	No injury or no intrusion	more
V1314 — Intrusion Number 02	02	Intrusion #2	more
V1315 — Intrusion 02 Occupant Space Number	11	First row, Left seat	more
V1316 — Intrusion 02 Intruding Object	09	Door panel or side panel	more
V1317 — Intrusion 02 Assoc Event Number	1	Event #1	more
V1318 — Intrusion 02 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1319 — Intrusion 02 Max Intrusion Y-axis	24 cm	—	—
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1321 — Intrusion 02 Occupant Number	01	Occupant number 1, contact	more
V1322 — Intrusion 02 Injury Number	01	Injury #1	more
V1323 — Intrusion 02 Occupant Number	01	Occupant number 1, contact	more
V1324 — Intrusion 02 Injury Number	02	Injury #2	more
V1325 — Intrusion Number 03	03	Intrusion #3	more
V1326 — Intrusion 03 Occupant Space Number	11	First row, Left seat	more
V1327 — Intrusion 03 Intruding Object	25	Other	more
V1328 — Intrusion 03 Assoc Event Number	1	Event #1	more
V1329 — Intrusion 03 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1330 — Intrusion 03 Max Intrusion Y-axis	23 cm	—	—
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1332 — Intrusion 03 Occupant Number	01	Occupant number 1, contact	more
V1333 — Intrusion 03 Injury Number	08	Injury #8	more
V1334 — Intrusion 03 Occupant	01	Occupant number 1, contact	more

Number			
V1335 — Intrusion 03 Injury Number	09	Injury #9	more
V1336 — Intrusion Number 04	04	Intrusion #4	more
V1337 — Intrusion 04 Occupant Space Number	11	First row, Left seat	more
V1338 — Intrusion 04 Intruding Object	01	Instrument panel	more
V1339 — Intrusion 04 Assoc Event Number	1	Event #1	more
V1340 — Intrusion 04 Max Intrusion X-axis	21 cm	—	—
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1346 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1347 — Intrusion Number 05	05	Intrusion #5	more
V1348 — Intrusion 05 Occupant Space Number	11	First row, Left seat	more
V1349 — Intrusion 05 Intruding Object	01	Instrument panel	more
V1350 — Intrusion 05 Assoc Event Number	1	Event #1	more
V1351 — Intrusion 05 Max Intrusion X-axis	20 cm	—	—
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1354 — Intrusion 05 Occupant Number	01	Occupant number 1, contact	more
V1355 — Intrusion 05 Injury Number	06	Injury #6	more
V1356 — Intrusion 05 Occupant Number	01	Occupant number 1, contact	more
V1357 — Intrusion 05 Injury Number	07	—	—
V1358 — Intrusion Number 06	06	Intrusion #6	more
V1359 — Intrusion 06 Occupant	11		

Space Number		First row, Left seat	more
V1360 — Intrusion 06 Intruding Object	29	Side footwell panel (kickpanel)	more
V1361 — Intrusion 06 Assoc Event Number	1	Event #1	more
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1363 — Intrusion 06 Max Intrusion Y-axis	18 cm	—	—
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1368 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1369 — Intrusion Number 07	07	Intrusion #7	more
V1370 — Intrusion 07 Occupant Space Number	11	First row, Left seat	more
V1371 — Intrusion 07 Intruding Object	08	A-pillar	more
V1372 — Intrusion 07 Assoc Event Number	1	Event #1	more
V1373 — Intrusion 07 Max Intrusion X-axis	10 cm	—	—
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1379 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1380 — Intrusion Number 08	08	Intrusion #8	more
V1381 — Intrusion 08 Occupant Space Number	11	First row, Left seat	more
V1382 — Intrusion 08 Intruding Object	15	Roof or convertible top	more
V1383 — Intrusion 08 Assoc Event	1	Event #1	more

Number			
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1386 — Intrusion 08 Max Intrusion Z-axis	08 cm	—	—
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1390 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1391 — Intrusion Number 09	09	Intrusion #9	more
V1392 — Intrusion 09 Occupant Space Number	11	First row, Left seat	more
V1393 — Intrusion 09 Intruding Object	05	Steering column	more
V1394 — Intrusion 09 Assoc Event Number	1	Event #1	more
V1395 — Intrusion 09 Max Intrusion X-axis	07 cm	—	—
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1401 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1402 — Intrusion Number 10	10	Intrusion #10	more
V1403 — Intrusion 10 Occupant Space Number	12	First row, Center seat	more
V1404 — Intrusion 10 Intruding Object	01	Instrument panel	more
V1405 — Intrusion 10 Assoc Event Number	1	Event #1	more
V1406 — Intrusion 10 Max Intrusion X-axis	19 cm	—	—
V1407 — Intrusion 10 Max Intrusion	00 cm	0 cm or No Intrusion	more

Y-axis			
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1412 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1413 — Door Intrusion Number 01	02	—	—
V1414 — Door Intrusion Number 01 Cause	2	Induced impact	more
V1415 — Door Intrusion Number 02	88	Not Applicable	more
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	more
V1417 — Door Intrusion Number 03	88	Not Applicable	more
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	more
V1419 — Door Intrusion 01 Component	02	Intrusion #2	more
V1420 — Door Intrusion 01 Component Damaged 1	7	Other	more
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	more
V1422 — Door Intrusion 02 Component	88	Not Applicable	more
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	more
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	more
V1425 — Door Intrusion 03 Component	88	Not Applicable	more
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	more
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	more
V1428 — Door Intrusion 04 Component	88	Not Applicable	more
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	more
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	more

**Case Vehicle
Airbag(s)**



[Click for Driver airbag figure](#)



[Click for Passenger airbag figure](#)

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Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	more
V1502 — Driver Airbag Deployed	1	Yes	more
V1503 — Driver Airbag Condition	0	No Damage	more
V1504 — Passenger Airbag Equip	1	Yes	more
V1505 — Passenger Airbag Deployed	1	Yes	more
V1506 — Passenger Airbag Condition	0	No Damage	more
V1507 — Steering Wheel Airbag Tether	1	Yes	more
V1508 — Driver Airbag Marked By Contact	0	No	more
V1509 — Passenger Airbag Tether	0	No	more
V1510 — Passenger Airbag Marked By Contact	0	No	more

**Case Vehicle
Interior**

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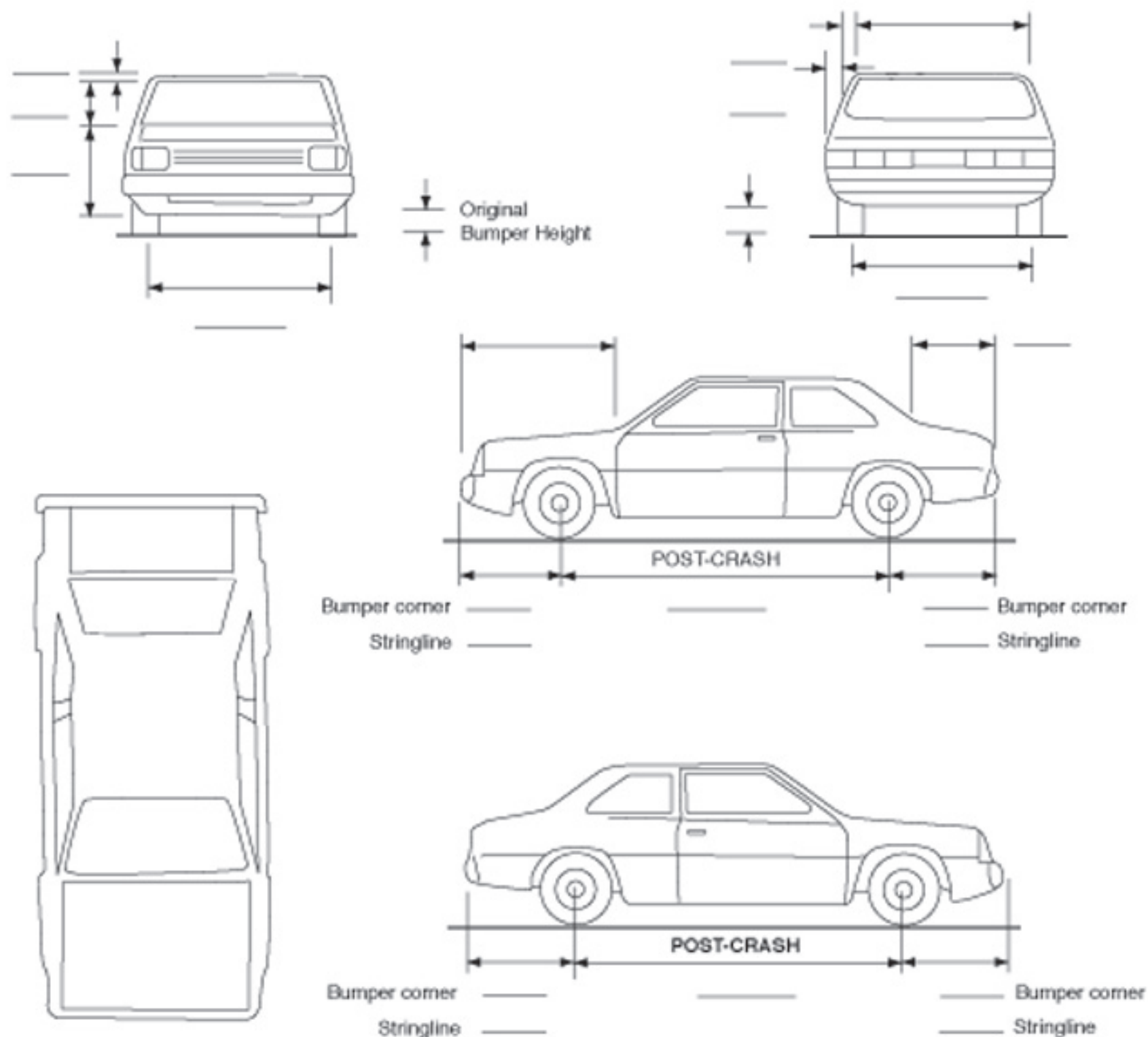
Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	4	Yes, occupant contact	more
V1602 — Right Front Door Damaged	0	No	more
V1603 — Left Front Hardware Damaged	4	Yes, occupant contact	more
V1604 — Right Front Hardware Damaged	0	No	more
V1605 — Left Front Armrest Damaged	4	Yes, occupant contact	more
V1606 — Right Front Armrest Damaged	0	No	more
V1607 — Left Front Glass Damaged	1	Yes	more
V1608 — Right Front Glass Damaged	0	No	more
V1609 — Left Rear Door Area Damaged	8	Not applicable	more
	8		

V1610 — Right Rear Door Area Damaged		Not applicable	more
V1611 — Left Rear Hardware Damaged	8	Not applicable	more
V1612 — Right Rear Hardware Damaged	8	Not applicable	more
V1613 — Left Rear Armrest Damaged	8	Not applicable	more
V1614 — Right Rear Armrest Damaged	8	Not applicable	more
V1615 — Left Rear Glass Damaged	8	Not applicable	more
V1616 — Right Rear Glass Damaged	8	Not applicable	more
V1617 — Left Roof Side Rail Damaged	1	Yes	more
V1618 — Right Roof Side Rail Damaged	0	No	more
V1619 — Left B-pillar Damaged	0	No	more
V1620 — Right B-pillar Damaged	0	No	more
V1621 — Left C-pillar Damaged	8	Not applicable	more
V1622 — Right C-pillar Damaged	8	Not applicable	more
V1623 — Left D-pillar Damaged	8	Not applicable	more
V1624 — Right D-pillar Damaged	8	Not applicable	more
V1625 — Left Headlining Damaged	1	Yes	more
V1626 — Right Headlining Damaged	1	Yes	more
V1627 — Left Roof Structure Damaged	1	Yes	more
V1628 — Right Roof Structure Damaged	1	Yes	more
V1629 — Left T/Sun Roof Damaged	8	Not applicable	more
V1630 — Right T/Sun Roof Damaged	8	Not applicable	more
V1631 — Other Left Side Item Damaged	8	Not applicable	more
V1632 — Other Right Side Item Damaged	8	Not applicable	more
V1633 — Foot Controls Damaged	4	Yes, occupant contact	more
V1634 — Ignition Key Damaged	0	No	more
V1635 — Rear View Mirror Damaged	1	Yes	more
V1636 — Sunvisor/Fitting Damaged	0	No	more
V1637 — Windshield Molding Damaged	1	Yes	more
V1638 — Left A-pillar Damaged	1	Yes	more

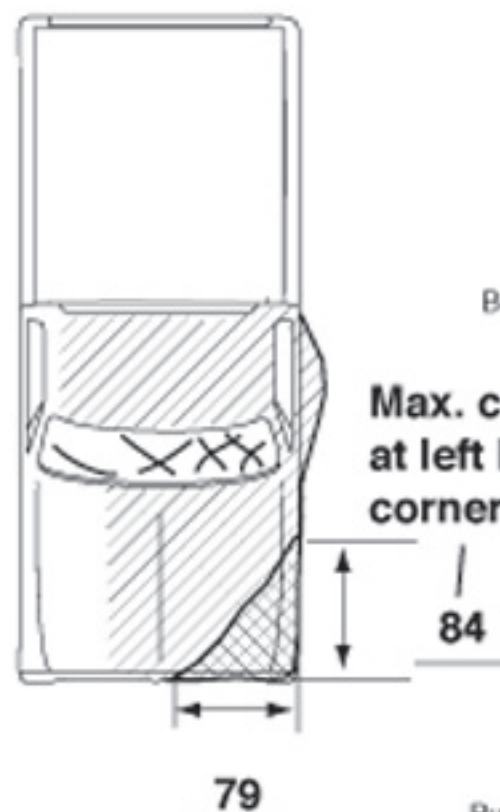
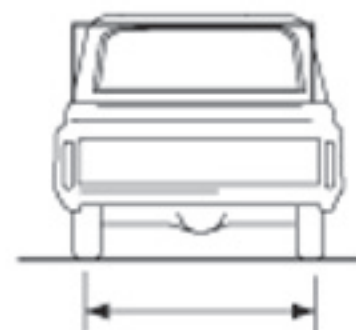
V1639 — Right A-pillar Damaged	0	No	more
V1640 — Center Console Damaged	1	Yes	more
V1641 — Transmission Lever Damaged	0	No	more
V1642 — Horn/Spoke Shroud Damaged	0	No	more
V1643 — Upper Panel Damaged	1	Yes	more
V1644 — Mid Panel Damaged	1	Yes	more
V1645 — Lower Panel Damaged	4	Yes, occupant contact	more
V1646 — Ashtray Damaged	3	No, occupant contact	more
V1647 — Control Knob/Lever Damaged	0	No	more
V1648 — Glove Compartment Area Damaged	4	Yes, occupant contact	more
V1649 — Instruments Damaged	0	No	more
V1650 — Park Brake Release Damaged	1	Yes	more
V1651 — Park Brake Pedal Damaged	1	Yes	more
V1652 — A/C Or Upper Vent Damaged	0	No	more
V1653 — Heater Or A/C Duct Damaged	1	Yes	more
V1654 — Radio Damaged	0	No	more
V1655 — Other Item Damaged	8	Not applicable	more
V1656 — Rear Window Damaged	0	No	more
V1657 — Rear Window Header Damaged	0	No	more
V1658 — Vertical Console Damaged	8	Not applicable	more
V1659 — Roof Console Damaged	8	Not applicable	more

MEASUREMENTS IN CENTIMETERS

This vehicle was unavailable for inspection



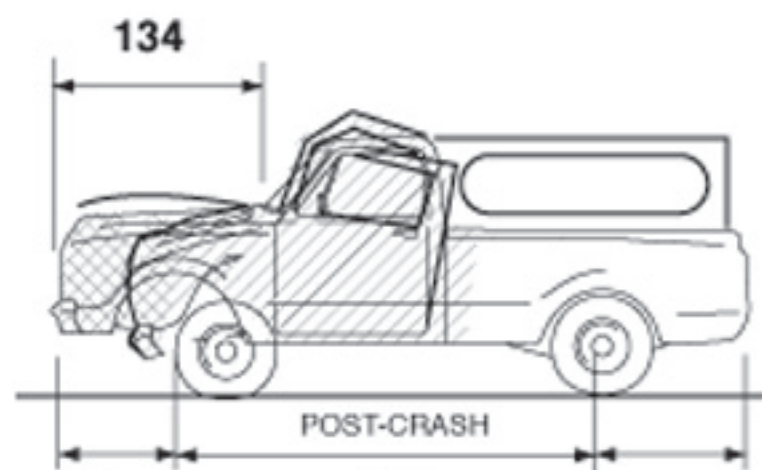
MEASUREMENTS IN CENTIMETERS



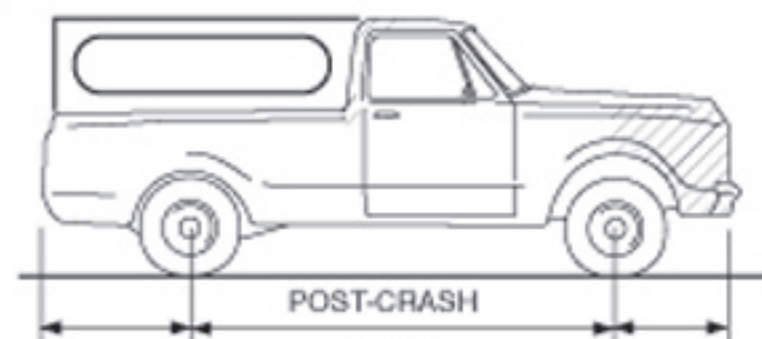
**Max. crush to front
at left bumper
corner**

Bumper corner 42
Stringline 148

Bumper corner 115
Stringline



POST-CRASH
Bumper corner 42
Stringline 148
Bumper corner 115
Stringline



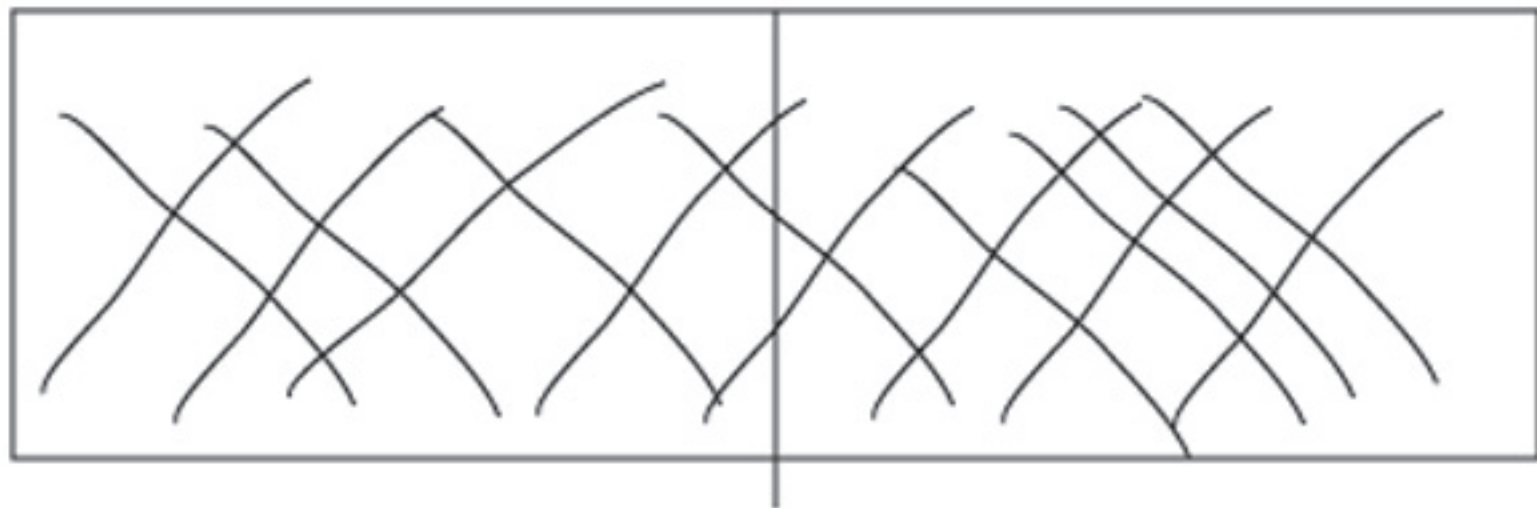
Bumper corner 115
Stringline

Bumper corner 82
Stringline 88

**Width of direct damage
to front**

WINDSHIELD MARK ON CASE VEHICLE:





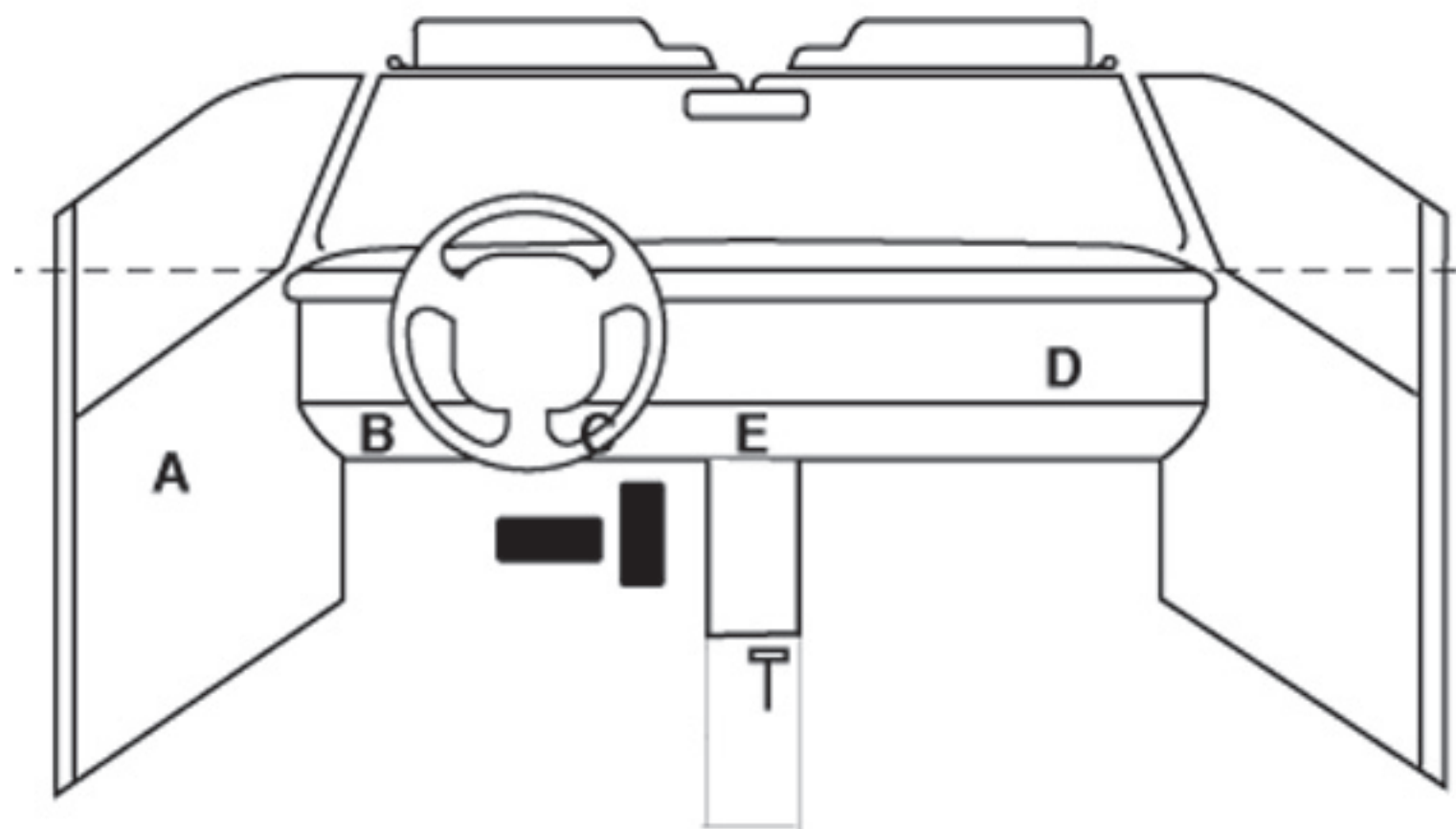
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
11	Toepan - left	132	–	72	=	60	Rear
11	Toepan – right	168	–	149	=	19	Rear
11	Instrument panel-left	78	–	58	=	20	Rear
11	Instrument panel-right	118	–	97	=	21	Rear
11	Roof		–		=	8	Down
11	Door	164	–	140	=	24	Right
11	Upper A-pillar	87	–	77	=	10	Rear
11	Upper A-pillar	137	–	141	=	-4	
11	Brake pedal	152	–	129	=	23	Right
11	Steering column	89	–	82	=	7	Rear
11	Kick panel	161	–	143	=	18	Right
12	Instrument panel-middle	120	–	101	=	19	Rear
13	Toepan - left	168	–	155	=	13	Rear
13	Instrument panel - left	120	–	113	=	7	Rear

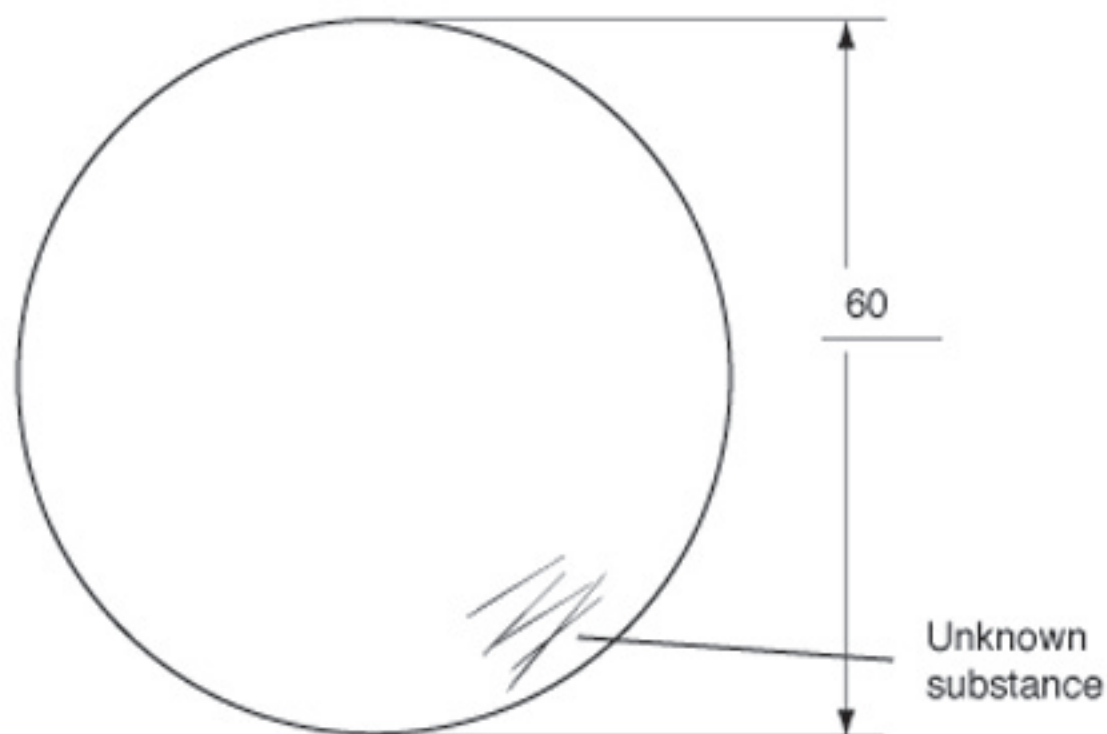
OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Driver - door	DR	Left UX	Bowed out and plastic broken	1
B	Knee bolster-left	DR	Left LX	Indented and plastic broken	1
C	Knee bolster-center	DR	Right UX	Scuffmark	1
D	Glove box	RF	UX	Scuffmark	1
E	Ashtray	RF	Lt UX	Cloth Transfer	2
F					
G					
H					



- A = driver door, bowed out and plastic broken**
- B = knee bolster - left, indented and plastic broken**
- C = knee bolster - center, scuffmark**
- D = glove box, scuffmark**
- E = ashtray, cloth transfer**

Driver Airbag

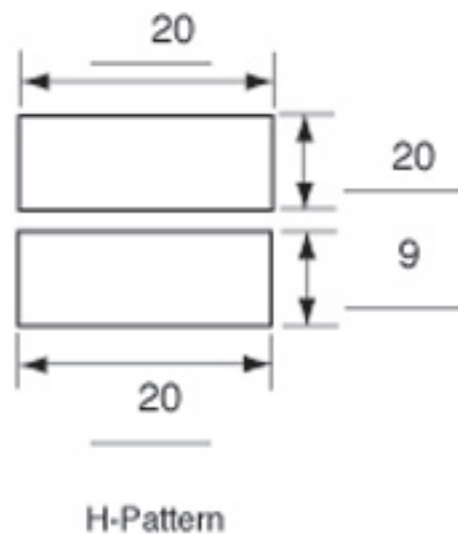


Vents: ☒ Y ☐ N
if yes, how many: 2

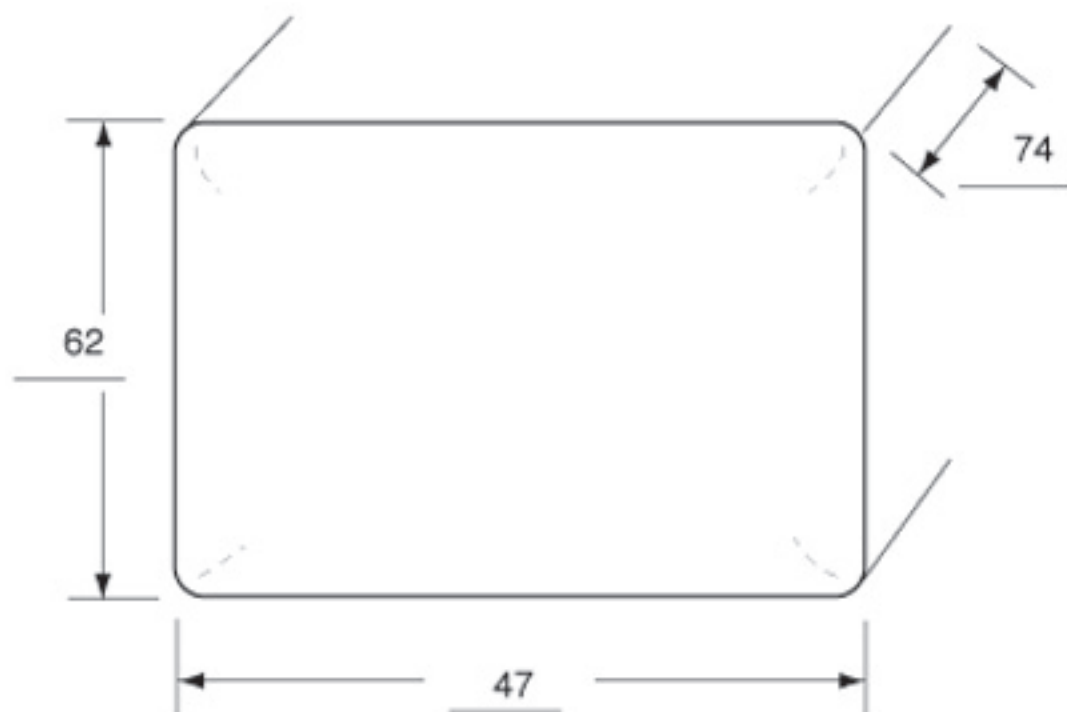
Tethers: ☒ Y ☐ N
if yes, how many: 2

Vents at 11 and 1 o'clock

Driver Airbag Doors

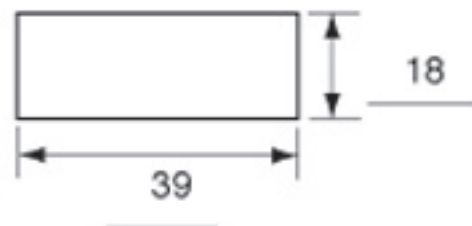


Passenger Airbag



Passenger Airbag Door

Single Door



Vents: Y ☒ N

If yes, how many: _____

Tethers: Y ☒ N

If yes, how many: _____

















328008A





PLEASE DO NOT
REPLACE THE AIR BAG COVER
WITH ANY OTHER COVER OR
COVERS OF ANY TYPE.
IF YOU DO, YOU MAY BE
KILLED OR SERIOUSLY INJURED.































PUSH













WARNING
Do not drink and drive.
Do not use alcohol or drugs while driving.
Do not use a cell phone while driving.
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Citr
11B2
9-
13
15

1-5952



152939

MID-WEST

CONTINENTAL

F150















Citi

MB2

9.1

15

152932

I

J-5932

















15-2939

15-2939





15-2939

7-11
1162
8-1
45
15-2939
15

15-2939













